BTEC Assignment Brief

Qualification	Pearson BTEC International Subsidiary Level 3 Diploma in Land-based Studies Pearson BTEC International Level 3 Foundation Diploma in Land-based Studies Pearson BTEC International Level 3 Diploma in Horticulture Pearson BTEC International Level 3 Extended Diploma in Horticulture
Unit number and title	Unit 30: Tree and Shrub pruning and maintenance
Learning aim(s)	**A:** Explore how pruning is used as a means of maintaining trees and shrubs **B:** Investigate how trees and shrubs are assessed for potential failure
Assignment title	**Pruning techniques and failure rates**
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You are working at a local authority park and there has recently been a storm. There are several issues at the site now regarding health and safety, and legislation. You have been asked to carry out work at the park following plans, and a schedule of work, produced as a result of a site survey being carried out
Task 1	Write a report that addresses the following: 1. Evaluate different pruning techniques, both simple and complex. Use a wide range of examples, and the tree and shrub species they may be used for. State the legal considerations when pruning and maintaining trees and shrubs. 2. Evaluate the factors that affect pruning including: • seasonal requirements of pruning • timing of pruning • health and safety, including risks assessment, weather, access, and public usage. 3. Compare the different pruning techniques and explain the factors that influence their use, and their advantages and disadvantages. 4. Explain the importance of pruning and maintaining trees and shrubs.
Checklist of evidence required	Written report

Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:

A.D1	Evaluate a wide range of pruning techniques and the factors that influence them, analysing their effectiveness in maintaining trees and shrubs.
A.M1	Compare a range of pruning techniques and how they are used to maintain trees and shrubs, assessing their importance and the factors that influence their use.
A.P1	Explain why pruning is important to maintain trees and shrubs.
A.P2	Explain some of the factors that influence the selection of different pruning techniques.
Task 2	Write a report that addresses the following: 1. Your understanding of the range of methods used to assess failure in trees and shrubs, including consideration of current maintenance, suggestions for changes and/or improvements to this maintenance, along with short-term remedial care, and long-term management plans. You should support your views with suitable examples, and clear reasoning. 2. A comparison of the different techniques used to prevent failure in trees and shrubs, and the solutions available, and considerations needed, when failure occurs, including: • removal • support • site improvement • costs • health and safety • legislation.
Checklist of evidence required	Written report
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
B.D2	Analyse the different methods for assessing trees and shrubs for failure, producing detailed solutions for prevention, remedial care and long-term management
B.M2	Compare the different methods for assessing trees and shrubs for failure, producing solutions for how they may be prevented or remedied
B.P3	Explain the methods used to assess trees and shrubs for failure.
B.P4	Produce outline solutions for how tree and shrub failure may be prevented.

Sources of information to support you with this Assignment	**Books** Watson B. (2006) *Trees: Their Use, Management, Cultivation and Biology - A Comprehensive Guide* Crowood Press Ltd ISBN: 9781861268853 Starr C. (2013) *Woodland Management: A practical guide*

	Crowood Press Ltd 978 1847976178 Baxter D. and Matthews T. (2015) *Habitat Management Equipment, Techniques and Methods* CreateSpace Independent Publishing Platform 978 1518815485